

An optical signal receiver comprising an opto-electric converter for converting an optical signal transmitted from a remotely opposed transmitter into an electric signal, a reproduction circuit for reproducing a data signal from an output of the opto-electric converter, a fixed signal generation circuit for generating a fixed signal having a logic level fixed to 0 or 1, a switch for selectively outputting either the data signal reproduced by the reproduction circuit or the fixed signal generated by the fixed signal generation circuit, and a control circuit for detecting an abnormal state of optical signal transmission and controlling the switch. The control circuit is adapted to output the fixed signal from the switch, when it detects the abnormal state while outputting the data signal from the switch. The optical signal receiver constitutes an optical space transmission system with transmitter for transmitting an optical signal.